

# SAN DIEGO ASSOCIATION OF GEOLOGISTS

## 1992 EXECUTIVE COMMITTEE

### CHAIRPERSON

Sue Tanges  
Southland Geotechnical Consultants  
1238 Greenfield Drive, Suite A  
El Cajon, CA 92021  
(619) 442-8022

### VICE CHAIRPERSON

Lyne Perry  
Converse Environmental West  
9471 Ridgehaven Court, Suite C  
San Diego, CA 92123  
(619) 268-3360

### SECRETARY

Joe Coronas  
City of San Diego  
4950 Murphy Cyn. Rd.  
San Diego, CA 92123  
(619) 573-1414

### TREASURER

Phil Rosenberg  
Ninyo & Moore  
10225 Barnes Cyn. Rd. Suite A-112  
San Diego, CA 92121  
(619) 457-0400

**PLEASE, PLEASE MAKE RESERVATIONS BY FRIDAY BEFORE THE MEETING!!!**

## MEETING NOTICE

**WEDNESDAY, October 21, 1992**

**SPEAKER:** Mike Chapin  
Kleinfelder Inc.

**TOPIC:** Geo-Adventure Through the Former Soviet Union

**PLACE:** Best Western/Hotel Kearny Mesa  
3805 Murphy Canyon Road  
(I-15 and Aero Drive) San Diego

**TIME:** 6:00 - Social Hour  
7:00 - Dinner  
8:00 - Program

**DINNER:** Roast sirloin of beef with green peppercorn sauce, mixed garden greens, potato, fresh vegetable, rolls and butter, apple cobbler, coffee or tea

**COST:** \$20.00 (please make checks payable to SDAG)

**RESERVATIONS REQUIRED!** by 4pm **FRIDAY, October 16.** Please make reservations ASAP at (619) 492-5034 (note new phone number). Please call if you need to cancel your reservation.

If you don't eat BEEF and would like TURKEY, it will be available by **ADVANCE RESERVATION ONLY** - please note this preference when you call in your reservation. No late turkeys will be served!!!

**SUMMARY:** Mike Chapin, Senior Associate of Kleinfelder Inc., and his wife, Mary, had the opportunity to participate in the Association of Engineering Geologists' excursion to the Soviet Union in 1990. The group toured the western part of the former Soviet Union. Mike will share their experiences (with slides and tales) during their travel adventure to this fascinating part of the world.

Thank you for not smoking in the meeting room!

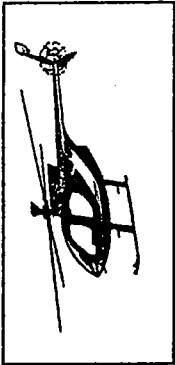
## **ANNOUNCEMENTS:**

1. SDAG thanks **HARGRAVE ENVIRONMENTAL/MURBACH GEOTECHNICAL** for becoming a 1992 SDAG corporate sponsor! Corporate contributions are used to sponsor students at our monthly meetings and to upgrade our equipment, etc. If you or your company would like to become a corporate sponsor and be recognized in our SDAG newsletter, directory, and at the following month's meeting, send a minimum \$100 contribution to SDAG c/o Joe Coronas, 13450 Russet Leaf Lane, San Diego, California 92129.
2. **1993 is almost here!** Anyone interested in becoming a SDAG Executive Committee officer (i.e. 1993 Treasurer), please contact Sue Tanges at 442-8022. SDAG needs someone who is willing to volunteer four years of their time and energy for the opportunity to have a great time planning and organizing monthly meetings, annual field trips, and picnics. Don't be shy, let us know by the November meeting if you're interested in being nominated for SDAG's 1993 Treasurer.
3. **CONGRATULATIONS to George Jiracek!!!** The SDSU Alumni & Associates recently presented their Outstanding Faculty awards. The awards are funded by private donations and recognize faculty who have contributed significantly to the University, the community, or the world of scholarship, research, and teaching. George Jiracek, professor of geological sciences at SDSU, received the Grand Award!!!
4. **The II International Meeting on Geology of the Baja California Peninsula** will be held April 19-22, 1993 in Ensenada. For further information, please contact: Facultad de Ciencias Marinas/Instituto de Investigaciones Oceanológicas, Universidad Autónoma de Baja California, Apartado Postal 453, Ensenada, Baja California, Mexico, Tels: (667)4-40-01, 4-40-02.
5. The last day for announcements to be included in the OCTOBER SDAG newsletter is October 23. Please submit items in writing to Joe Coronas (fax 492-5041).

## **EMPLOYMENT OPPORTUNITIES:**

**Woodward-Clyde Consultants**, an Equal Opportunity Employer, is seeking a **Project/Senior Project Geologist** for their **Waste Management Division/Site Investigation Group** in San Diego. Major responsibilities include providing senior technical support, review and project management for hydrogeologic/geologic contamination assessments and remediation programs; coordinating and implementing large-scale projects; providing hydrogeologic expertise; and preparation of proposals, work plans, budgets, and reports. Qualifications requested include a B.S. or M.S. in Geologic Sciences with emphasis in hydrogeology and five to ten years experience and registration. Please contact Ms. Walleen Smith at (619)294-9400, ext. 101 for further information.

## GEOTECHNICAL COLOR SLIDE SETS



Geo-Tech Imagery is a consulting geotechnical photography firm specializing in the planning, generation, and interpretation of technical imagery. During my years of undergraduate and graduate study I found that visual examples of pertinent geology in real field situations were not available. This was especially true in the areas of Engineering Geology, Soils Engineering, and geologic hazards, and is the basis upon which these sets were developed. The images have been selected from various project files, field investigations, and international travel.

### General Parameters For Slide Sets

A brief narrative will accompany each slide set to aid instructors.

Color slide graphics will include title slide, general parameters, location maps, & cross sections based on original geotechnical reports where appropriate.

The same color slide will not be duplicated between slide sets unless it is necessary for continuity.

Sets will contain ground and aerial color images, and false color infrared where appropriate.

\* If a damaged slide is detected, simply return for replacement.

## LANDERS, CALIFORNIA 7.5 EARTHQUAKE OF 6-28-92

Purpose: Documentation Of Major Ground Rupture & Associated Damage

Geo-Tech Imagery was on site within five hours of this 7.5 Magnitude event. Two days of aerial photography and four days of ground photography were consumed in documenting the forty plus (40 +) miles of ground rupture on three different faults and the associated damage to structures. The set will consist of one hundred (100) color slides with location maps and title slides.

COST \$200.00

DELIVERY: PROJECTED FOR OCTOBER 1, 1992

## LOMA PRIETA EARTHQUAKE OF 10-17-89

Purpose: Damage Documentation of a Major Seismic Event

Geo-Tech Imagery began generating ground and aerial photography the morning after the 7.1 Magnitude earthquake in Northern California, and continued photographic documentation over a ten day period. The set of one hundred (100) color slides was selected from over 3,000 frames of photography generated after the earthquake on the following areas:

Santa Cruz - Structural Damage and Liquefaction Features (Ground & Aerial Oblique Views).

Santa Cruz Mountains - Landslides, Ground Fissures, and Structural Damage (Ground & Aerial Oblique Views).

Oakland - Nimitz Freeway Collapse (Site Specific Aerial Oblique Views).  
Watsonville - Structural Damage, Liquefaction Features, and Highway 1 Freeway Bridge Failure (Ground & Aerial Oblique Views).

Moss Landing - Structural Damage & Liquefaction Features (Ground & Aerial Oblique Views).

San Francisco - Marina Area Fire Damage (Aerial Oblique Views).

COST \$200.00

DELIVERY: 2 WEEKS

## GEOTECHNICAL HAZARDS

Purpose: General Class Room Use

One hundred (100) color slides on a variety of geologic hazards confronting the geotechnical industry, and the damage they cause. Features covered will include:

Landslides - Developed and Undeveloped Areas.

Faulting - Aerial Lineaments, Trench Exposures, Etc.

Volcanism - Cones, Craters, Flows, & Blast Areas.

Debris Flows

Differential Settlement In Deep Fills - Southern California

Earthquakes and Liquefaction - (Example - Coalinga, CA., Whittier, CA., & Loma Prieta, CA.).

Flooding - Man Made Flooding (Example - Elsinore Lake Overflow).

Glaciers - New Zealand

COST \$200.00

DELIVERY: 2 WEEKS

**LIFE OF A LANDSLIDE**

Purpose: Unique Case History of a Landslide Development and Repair.

A 150 foot high by 700 foot long cut slope was excavated down slope of a five million gallon reservoir tank to improve an existing road. The reservoir site cut slope was investigated in 1977, found to be unstable with a high probability of failure in the near future. The sequence of 50 color slides covers a 15 month period that pictorially and graphically illustrates the following:

Geotechnical investigation of slope stability - pre-failure views - development of primary failure features - post failure views - temporary emergency remedial measures - geotechnical investigation for design and repair - slope repair by excavation of a sectional key buttress fill.

The cross sections and map view graphics are color enhanced reproductions from the geotechnical reports issued on the site.

This set contains good examples of field generated cut slope maps and sections with site geology.

COST \$125.00

DELIVERY: 2 WEEKS

**INTRODUCTION TO ENGINEERING GEOLOGY**

Purpose: A General Overview Slide Set.

Engineering Geology, Soils Engineering, and the Earth Sciences are all closely related in the Geotechnical family. This area of geology is generally referred to as Engineering Geology. This set of forty (40) color slides illustrates pictorially and graphically many of the most common field procedures, drilling and trenching equipment, examples of field logs, and sampling and testing procedures employed in Engineering Geology in California.

COST \$100.00

DELIVERY: 2 WEEKS

**\$15,000,000 LANDSLIDE**

Purpose: Damage Documentation and Repair of A Major Urban Landslide.

Bluebird Canyon in Laguna Beach, California was the site of one of the most destructive landslides of recent U.S. history. The landslide destroyed or severely damaged 23 homes, associated

streets and utilities. Additional homes and property were in jeopardy due to their proximity to landslide scars, isolation due to loss of roadways, and potential flooding with the slide blocking a major drainage canyon. The failure set into motion a series of emergency monitoring and temporary remedial measures that would continue well into the next year. The set of one hundred (100) color slides covers the following:

Damage documentation immediately following failure - monitoring of movement, crack systems, and associated instrumentation - reestablishing canyon drainage - demolition and removal of damaged homes - initial grading of slide block and scarps to prepare for winter rains - repair and stabilization of the landslide by construction of soldier pile walls, shear keys, and a gravity buttress.

COST \$200.00

DELIVERY: 2 WEEKS

**ORDER INFORMATION**

Landers, California Earthquake	Set/s @ \$200.00	_____
Loma Prieta Earthquake	Set/s @ \$200.00	_____
Geotechnical Hazards	Set/s @ \$200.00	_____
Life Of A Landslide	Set/s @ \$125.00	_____
Intro. To Engineering Geology	Set/s @ \$100.00	_____
\$15,000,000 Landslide	Set/s @ \$200.00	_____
	<b>Total Cost</b>	_____

Enclosed is my Check/Money Order For \_\_\_\_\_

\* California Residents Add Sales Tax.

Universities & Colleges Check Or Purchase Order # \_\_\_\_\_

Geo-Tech Imagery Int.  
P. O. Box 2179, Oceanside, California 92051  
619-754-8423 FAX 619-754-8722



# SAN DIEGO ASSOCIATION OF GEOLOGISTS

## ORDER FORM

### SDAG PUBLICATIONS

<u>Quantity</u>	<u>Title</u>	<u>Cost Each</u>	<u>Total Cost</u>
_____	Natural History of the Coronado Islands, revisited (1992)	\$17	_____
_____	Environmental Perils, San Diego Region (1991)	\$15	_____
_____	Geotechnical Engineering Case Histories, San Diego County (1990)	\$12	_____
_____	Seismic Risk in the San Diego Region/Proceedings (1989)	\$10	_____
_____	Landslides in Crystalline Basement Terrain, San Diego County (1988)	\$12	_____
_____	On the Manner of Deposition of the Eocene Strata in Northern San Diego County (1985)	\$10	_____
	<b>TOTAL</b>		\$ _____

Make checks payable to SDAG

Ship to:

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Send order form to:

SDAG c/o Converse  
 Environmental West  
 9471 Ridgehaven Court, Suite C  
 San Diego, California 92123  
 Attn: Lyne Perry

THANK YOU!!

SAN DIEGO ASSOCIATION OF GEOLOGISTS  
13450 RUSSET LEAF LANE  
SAN DIEGO, CA. 92129



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